



SEQUENCE LISTING

<110> O'Brien, Timothy J.  
<120> TADG-15: An Extracellular Serine Protease  
Overexpressed in Carcinomas  
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<140> US 09/421,213  
<141> 10-20-1999  
<150> US 09/027,337  
<151> 02-20-1998  
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<213> *Homo sapiens*

<220>

<223> TADG-15

<400> 2

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Gly Leu Glu Glu Gly Val Glu Phe Leu Pro Val Asn Asn Val Lys
                    35                      40                      45
Lys Val Glu Lys His Gly Pro Gly Arg Trp Val Val Leu Ala Ala
                    50                      55                      60
Val Leu Ile Gly Leu Leu Leu Val Leu Leu Gly Ile Gly Phe Leu
                    65                      70                      75

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Asn	Gly	Tyr	Met	Arg	Ile	Thr	Asn	Glu	Asn	Phe	Val	Asp	Ala	Tyr
				95					100					105
Glu	Asn	Ser	Asn	Ser	Thr	Glu	Phe	Val	Ser	Leu	Ala	Ser	Lys	Val
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Lys	Asp	Ala	Leu	Lys	Leu	Leu	Tyr	Ser	Gly	Val	Pro	Phe	Leu	Gly
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Pro	Tyr	His	Lys	Glu	Ser	Ala	Val	Thr	Ala	Phe	Ser	Glu	Gly	Ser
				140					145					150
Val	Ile	Ala	Tyr	Tyr	Trp	Ser	Glu	Phe	Ser	Ile	Pro	Gln	His	Leu
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Val	Glu	Glu	Ala	Glu	Arg	Val	Met	Ala	Glu	Glu	Arg	Val	Val	Met
				170					175					180
Leu	Pro	Pro	Arg	Ala	Arg	Ser	Leu	Lys	Ser	Phe	Val	Val	Thr	Ser
				185					190					195
Val	Val	Ala	Phe	Pro	Thr	Asp	Ser	Lys	Thr	Val	Gln	Arg	Thr	Gln
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Asp	Asn	Ser	Cys	Ser	Phe	Gly	Leu	His	Ala	Arg	Gly	Val	Glu	Leu
				215					220					225
Met	Arg	Phe	Thr	Thr	Pro	Gly	Phe	Pro	Asp	Ser	Pro	Tyr	Pro	Ala
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His	Ala	Arg	Cys	Gln	Trp	Ala	Leu	Arg	Gly	Asp	Ala	Asp	Ser	Val
				245					250					255
Leu	Ser	Leu	Thr	Phe	Arg	Ser	Phe	Asp	Leu	Ala	Ser	Cys	Asp	Glu
				260					265					270
Arg	Gly	Ser	Asp	Leu	Val	Thr	Val	Tyr	Asn	Thr	Leu	Ser	Pro	Met
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Glu	Pro	His	Ala	Leu	Val	Gln	Leu	Cys	Gly	Thr	Tyr	Pro	Pro	Ser
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Tyr	Asn	Leu	Thr	Phe	His	Ser	Ser	Gln	Asn	Val	Leu	Leu	Ile	Thr
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Leu	Ile	Thr	Asn	Thr	Glu	Arg	Arg	His	Pro	Gly	Phe	Glu	Ala	Thr
				320					325					330
Phe	Phe	Gln	Leu	Pro	Arg	Met	Ser	Ser	Cys	Gly	Gly	Arg	Leu	Arg
				335					340					345
Lys	Ala	Gln	Gly	Thr	Phe	Asn	Ser	Pro	Tyr	Tyr	Pro	Gly	His	Tyr
				350					355					360
Pro	Pro	Asn	Ile	Asp	Cys	Thr	Trp	Asn	Ile	Glu	Val	Pro	Asn	Asn
				365					370					375
Gln	His	Val	Lys	Val	Ser	Phe	Lys	Phe	Phe	Tyr	Leu	Leu	Glu	Pro
				380					385					390
Gly	Val	Pro	Ala	Gly	Thr	Cys	Pro	Lys	Asp	Tyr	Val	Glu	Ile	Asn
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Gly	Glu	Lys	Tyr	Cys	Gly	Glu	Arg	Ser	Gln	Phe	Val	Val	Thr	Ser
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Asn	Ser	Asn	Lys	Ile	Thr	Val	Arg	Phe	His	Ser	Asp	Gln	Ser	Tyr
				425					430					435
Thr	Asp	Thr	Gly	Phe	Leu	Ala	Glu	Tyr	Leu	Ser	Tyr	Asp	Ser	Ser
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Asp	Pro	Cys	Pro	Gly	Gln	Phe	Thr	Cys	Arg	Thr	Gly	Arg	Cys	Ile
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Arg Lys Glu Leu Arg Cys Asp Gly Trp Ala Asp Cys Thr Asp His  
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 Ser Asp Glu Leu Asn Cys Ser Cys Asp Ala Gly His Gln Phe Thr  
 485 490 495  
 Cys Lys Asn Lys Phe Cys Lys Pro Leu Phe Trp Val Cys Asp Ser  
 500 505 510  
 Val Asn Asp Cys Gly Asp Asn Ser Asp Glu Gln Gly Cys Ser Cys  
 515 520 525  
 Pro Ala Gln Thr Phe Arg Cys Ser Asn Gly Lys Cys Leu Ser Lys  
 530 535 540  
 Ser Gln Gln Cys Asn Gly Lys Asp Asp Cys Gly Asp Gly Ser Asp  
 545 550 555  
 Glu Ala Ser Cys Pro Lys Val Asn Val Val Thr Cys Thr Lys His  
 560 565 570  
 Thr Tyr Arg Cys Leu Asn Gly Leu Cys Leu Ser Lys Gly Asn Pro  
 575 580 585  
 Glu Cys Asp Gly Lys Glu Asp Cys Ser Asp Gly Ser Asp Glu Lys  
 590 595 600  
 Asp Cys Asp Cys Gly Leu Arg Ser Phe Thr Arg Gln Ala Arg Val  
 605 610 615  
 Val Gly Gly Thr Asp Ala Asp Glu Gly Glu Trp Pro Trp Gln Val  
 620 625 630  
 Ser Leu His Ala Leu Gly Gln Gly His Ile Cys Gly Ala Ser Leu  
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 Ile Ser Pro Asn Trp Leu Val Ser Ala Ala His Cys Tyr Ile Asp  
 650 655 660  
 Asp Arg Gly Phe Arg Tyr Ser Asp Pro Thr Gln Trp Thr Ala Phe  
 665 670 675  
 Leu Gly Leu His Asp Gln Ser Gln Arg Ser Ala Pro Gly Val Gln  
 680 685 690  
 Glu Arg Arg Leu Lys Arg Ile Ile Ser His Pro Phe Phe Asn Asp  
 695 700 705  
 Phe Thr Phe Asp Tyr Asp Ile Ala Leu Leu Glu Leu Glu Lys Pro  
 710 715 720  
 Ala Glu Tyr Ser Ser Met Val Arg Pro Ile Cys Leu Pro Asp Ala  
 725 730 735  
 Ser His Val Phe Pro Ala Gly Lys Ala Ile Trp Val Thr Gly Trp  
 740 745 750  
 Gly His Thr Gln Tyr Gly Gly Thr Gly Ala Leu Ile Leu Gln Lys  
 755 760 765  
 Gly Glu Ile Arg Val Ile Asn Gln Thr Thr Cys Glu Asn Leu Leu  
 770 775 780  
 Pro Gln Gln Ile Thr Pro Arg Met Met Cys Val Gly Phe Leu Ser  
 785 790 795  
 Gly Gly Val Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Ser  
 800 805 810  
 Ser Val Glu Ala Asp Gly Arg Ile Phe Gln Ala Gly Val Val Ser  
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 <213> *Homo sapiens*  
 <220>  
 <223> Hepsin  
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 Gln Val Ser Leu Arg Tyr Asp Gly Ala His Leu Cys Gly Gly Ser  
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 Leu Leu Ser Gly Asp Trp Val Leu Thr Ala Ala His Cys Phe Pro  
 35 40 45  
 Glu Arg Asn Arg Val Leu Ser Arg Trp Arg Val Phe Ala Gly Ala  
 50 55 60  
 Val Ala Gln Ala Ser Pro His Gly Leu Gln Leu Gly Val Gln Ala  
 65 70 75  
 Val Val Tyr His Gly Gly Tyr Leu Pro Phe Arg Asp Pro Asn Ser  
 80 85 90  
 Glu Glu Asn Ser Asn Asp Ile Ala Leu Val His Leu Ser Ser Pro  
 95 100 105  
 Leu Pro Leu Thr Glu Tyr Ile Gln Pro Val Cys Leu Pro Ala Ala  
 110 115 120  
 Gly Gln Ala Leu Val Asp Gly Lys Ile Cys Thr Val Thr Gly Trp  
 125 130 135  
 Gly Asn Thr Gln Tyr Tyr Gly Gln Gln Ala Gly Val Leu Gln Glu  
 140 145 150  
 Ala Arg Val Pro Ile Ile Ser Asn Asp Val Cys Asn Gly Ala Asp  
 155 160 165  
 Phe Tyr Gly Asn Gln Ile Lys Pro Lys Met Phe Cys Ala Gly Tyr  
 170 175 180  
 Pro Glu Gly Gly Ile Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro  
 185 190 195  
 Phe Val Cys Glu Asp Ser Ile Ser Arg Thr Pro Arg Trp Arg Leu  
 200 205 210  
 Cys Gly Ile Val Ser Trp Gly Thr Gly Cys Ala Leu Ala Gln Lys  
 215 220 225  
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 Gln Ala Ile Lys Thr His Ser Glu Ala Ser Gly Met Val Thr Gln  
 245 250 255  
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<213> *Homo sapiens*

<220>

<223> SCCE

<400> 4

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20 25 30  
Leu Val Asn Glu Arg Trp Val Leu Thr Ala Ala His Cys Lys Met  
35 40 45  
Asn Glu Tyr Thr Val His Leu Gly Ser Asp Thr Leu Gly Asp Arg  
50 55 60  
Arg Ala Gln Arg Ile Lys Ala Ser Lys Ser Phe Arg His Pro Gly  
65 70 75  
Tyr Ser Thr Gln Thr His Val Asn Asp Leu Met Leu Val Lys Leu  
80 85 90  
Asn Ser Gln Ala Arg Leu Ser Ser Met Val Lys Lys Val Arg Leu  
95 100 105  
Pro Ser Arg Cys Glu Pro Pro Gly Thr Thr Cys Thr Val Ser Gly  
110 115 120  
Trp Gly Thr Thr Thr Ser Pro Asp Val Thr Phe Pro Ser Asp Leu  
125 130 135  
Met Cys Val Asp Val Lys Leu Ile Ser Pro Gln Asp Cys Thr Lys  
140 145 150  
Val Tyr Lys Asp Leu Leu Glu Asn Ser Met Leu Cys Ala Gly Ile  
155 160 165  
Pro Asp Ser Lys Lys Asn Ala Cys Asn Gly Asp Ser Gly Gly Pro  
170 175 180  
Leu Val Cys Arg Gly Thr Leu Gln Gly Leu Val Ser Trp Gly Thr  
185 190 195  
Phe Pro Cys Gly Gln Pro Asn Asp Pro Gly Val Tyr Thr Gln Val  
200 205 210  
Cys Lys Phe Thr Lys Trp Ile Asn Asp Thr Met Lys Lys His Arg  
215 220 225

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<211> 225

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<213> *Homo sapiens*

<220>

<223> Trypsin

<400> 5

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20 25 30

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Arg	Ile	Gln	Val	Arg	Leu	Gly	Glu	His	Asn	Ile	Glu	Val	Leu	Glu
				50					55					60
Gly	Asn	Glu	Gln	Phe	Ile	Asn	Ala	Ala	Lys	Ile	Ile	Arg	His	Pro
				65					70					75
Gln	Tyr	Asp	Arg	Lys	Thr	Leu	Asn	Asn	Asp	Ile	Met	Leu	Ile	Lys
				80					85					90
Leu	Ser	Ser	Arg	Ala	Val	Ile	Asn	Ala	Arg	Val	Ser	Thr	Ile	Ser
				95					100					105
Leu	Pro	Thr	Ala	Pro	Pro	Ala	Thr	Gly	Thr	Lys	Cys	Leu	Ile	Ser
				110					115					120
Gly	Trp	Gly	Asn	Thr	Ala	Ser	Ser	Gly	Ala	Asp	Tyr	Pro	Asp	Glu
				125					130					135
Leu	Gln	Cys	Leu	Asp	Ala	Pro	Val	Leu	Ser	Gln	Ala	Lys	Cys	Glu
				140					145					150
Ala	Ser	Tyr	Pro	Gly	Lys	Ile	Thr	Ser	Asn	Met	Phe	Cys	Val	Gly
				155					160					165
Phe	Leu	Glu	Gly	Gly	Lys	Asp	Ser	Cys	Gln	Gly	Asp	Ser	Gly	Gly
				170					175					180
Pro	Val	Val	Cys	Asn	Gly	Gln	Leu	Gln	Gly	Val	Val	Ser	Trp	Gly
				185					190					195
Asp	Gly	Cys	Ala	Gln	Lys	Asn	Lys	Pro	Gly	Val	Tyr	Thr	Lys	Val
				200					205					210
Tyr	Asn	Tyr	Val	Lys	Trp	Ile	Lys	Asn	Thr	Ile	Ala	Ala	Asn	Ser
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				20					25					30
Ser	Leu	Ile	Ser	Glu	Asp	Trp	Val	Val	Thr	Ala	Ala	His	Cys	Gly
				35					40					45
Val	Arg	Thr	Ser	Asp	Val	Val	Val	Ala	Gly	Glu	Phe	Asp	Gln	Gly
				50					55					60
Ser	Asp	Glu	Glu	Asn	Ile	Gln	Val	Leu	Lys	Ile	Ala	Lys	Val	Phe
				65					70					75
Lys	Asn	Pro	Lys	Phe	Ser	Ile	Leu	Thr	Val	Asn	Asn	Asp	Ile	Thr
				80					85					90
Leu	Leu	Lys	Leu	Ala	Thr	Pro	Ala	Arg	Phe	Ser	Gln	Thr	Val	Ser
				95					100					105

Ala	Val	Cys	Leu	Pro	Ser	Ala	Asp	Asp	Asp	Phe	Pro	Ala	Gly	Thr	110	115	120
Leu	Cys	Ala	Thr	Thr	Gly	Trp	Gly	Lys	Thr	Lys	Tyr	Asn	Ala	Asn	125	130	135
Lys	Thr	Pro	Asp	Lys	Leu	Gln	Gln	Ala	Ala	Leu	Pro	Leu	Leu	Ser	140	145	150
Asn	Ala	Glu	Cys	Lys	Lys	Ser	Trp	Gly	Arg	Arg	Ile	Thr	Asp	Val	155	160	165
Met	Ile	Cys	Ala	Gly	Ala	Ser	Gly	Val	Ser	Ser	Cys	Met	Gly	Asp	170	175	180
Ser	Gly	Gly	Pro	Leu	Val	Cys	Gln	Lys	Asp	Gly	Ala	Trp	Thr	Leu	185	190	195
Val	Gly	Ile	Val	Ser	Trp	Gly	Ser	Asp	Thr	Cys	Ser	Thr	Ser	Ser	200	205	210
Pro	Gly	Val	Tyr	Ala	Arg	Val	Thr	Lys	Leu	Ile	Pro	Trp	Val	Gln	215	220	225
Lys	Ile	Leu	Ala	Ala	Asn										230		

<210> 7

<211> 255

<212> PRT

<213> *Homo sapiens*

<220>

<223> Factor 7

<400> 7

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Leu	Ile	Asn	Thr	Ile	Trp	Val	Val	Ser	Ala	Ala	His	Cys	Phe	Asp	35	40	45
Lys	Ile	Lys	Asn	Trp	Arg	Asn	Leu	Ile	Ala	Val	Leu	Gly	Glu	His	50	55	60
Asp	Leu	Ser	Glu	His	Asp	Gly	Asp	Glu	Gln	Ser	Arg	Arg	Val	Ala	65	70	75
Gln	Val	Ile	Ile	Pro	Ser	Thr	Tyr	Val	Pro	Gly	Thr	Thr	Asn	His	80	85	90
Asp	Ile	Ala	Leu	Leu	Arg	Leu	His	Gln	Pro	Val	Val	Leu	Thr	Asp	95	100	105
His	Val	Val	Pro	Leu	Cys	Leu	Pro	Glu	Arg	Thr	Phe	Ser	Glu	Arg	110	115	120
Thr	Leu	Ala	Phe	Val	Arg	Phe	Ser	Leu	Val	Ser	Gly	Trp	Gly	Gln	125	130	135
Leu	Leu	Asp	Arg	Gly	Ala	Thr	Ala	Leu	Glu	Leu	Met	Val	Leu	Asn	140	145	150
Val	Pro	Arg	Leu	Met	Thr	Gln	Asp	Cys	Leu	Gln	Gln	Ser	Arg	Lys	155	160	165



Val	Gly	Asp	Ser	Pro	Asn	Ile	Thr	Glu	Tyr	Met	Phe	Cys	Ala	Gly	
				170					175					180	
Tyr	Ser	Asp	Gly	Ser	Lys	Asp	Ser	Cys	Lys	Gly	Asp	Ser	Gly	Gly	
				185					190					195	
Pro	His	Ala	Thr	His	Tyr	Arg	Gly	Thr	Trp	Tyr	Leu	Thr	Gly	Ile	
				200					205					210	
Val	Ser	Trp	Gly	Gln	Gly	Cys	Ala	Thr	Val	Gly	His	Phe	Gly	Val	
				215					220					225	
Tyr	Thr	Arg	Val	Ser	Gln	Tyr	Ile	Glu	Trp	Leu	Gln	Lys	Leu	Met	
				230					235					240	
Arg	Ser	Glu	Pro	Arg	Pro	Gly	Val	Leu	Leu	Arg	Ala	Pro	Phe	Pro	
				245					250					255	

<210> 8

<211> 253

<212> PRT

<213> *Homo sapiens*

<220>

<223> Tissue plasminogen activator

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Phe Leu Cys Gly Gly Ile Leu Ile Ser Ser Cys Trp Ile Leu Ser  
35 40 45  
Ala Ala His Cys Phe Gln Glu Arg Phe Pro Pro His His Leu Thr  
50 55 60  
Val Ile Leu Gly Arg Thr Tyr Arg Val Val Pro Gly Glu Glu Glu  
65 70 75  
Gln Lys Phe Glu Val Glu Lys Tyr Ile Val His Lys Glu Phe Asp  
80 85 90  
Asp Asp Thr Tyr Asp Asn Asp Ile Ala Leu Leu Gln Leu Lys Ser  
95 100 105  
Asp Ser Ser Arg Cys Ala Gln Glu Ser Ser Val Val Arg Thr Val  
110 115 120  
Cys Leu Pro Pro Ala Asp Leu Gln Leu Pro Asp Trp Thr Glu Cys  
125 130 135  
Glu Leu Ser Gly Tyr Gly Lys His Glu Ala Leu Ser Pro Phe Tyr  
140 145 150  
Ser Glu Arg Leu Lys Glu Ala His Val Arg Leu Tyr Pro Ser Ser  
155 160 165  
Arg Cys Thr Ser Gln His Leu Leu Asn Arg Thr Val Thr Asp Asn  
170 175 180  
Met Leu Cys Ala Gly Asp Thr Arg Ser Gly Gly Pro Gln Ala Asn  
185 190 195  
Leu His Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys  
200 205 210

Leu	Asn	Asp	Gly	Arg	Met	Thr	Leu	Val	Gly	Ile	Ile	Ser	Trp	Gly
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<212> DNA

<213> *Homo sapiens*

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<213> *Homo sapiens*

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<210> 43

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<210> 44

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<212> PRT

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<210> 45

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<212> PRT

<213> *Homo sapiens*

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<210> 46

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<212> PRT  
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<210> 53

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*Bk*  
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<223> Residues 707-715 of the TADG-15 protein  
<400> 56

Thr Phe Asp Tyr Asp Ile Ala Leu Leu

5

<210> 57

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 21-29 of the TADG-15 protein

<400> 57

Lys Tyr Asn Ser Arg His Glu Lys Val

5

<210> 58

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 665-673 of the TADG-15 protein

<400> 58

Arg Tyr Ser Asp Pro Thr Gln Trp Thr

5

<210> 59

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 686-694 of the TADG-15 protein

<400> 59

Ala Pro Gly Val Gln Glu Arg Arg Leu

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<210> 60

<211> 9

<212> PRT  
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<220>  
<223> Residues 12-20 of the TADG-15 protein  
<400> 60  
Gly Pro Lys Asp Phe Gly Ala Gly Leu

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<210> 61  
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<213> *Homo sapiens*  
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<400> 61  
Asp Pro Thr Gln Trp Thr Ala Phe Leu

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<210> 62  
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<400> 62  
Thr Gly Arg Cys Ile Arg Lys Glu Leu

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<210> 63  
<211> 9  
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<213> *Homo sapiens*  
<220>  
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<400> 63

Ala Ala Val Leu Ile Gly Leu Leu Leu

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<210> 64

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<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 379-387 of the TADG-15 protein

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Lys Val Ser Phe Lys Phe Phe Tyr Leu

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<210> 65

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 119-127 of the TADG-15 protein

<400> 65

Lys Val Lys Asp Ala Leu Lys Leu Leu

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<210> 66

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 780-788 of the TADG-15 protein

<400> 66

Leu Pro Gln Gln Ile Thr Pro Arg Met

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<210> 67

<211> 9

<212> PRT  
<213> *Homo sapiens*  
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<223> Residues 67-75 of the TADG-15 protein  
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Leu Val Leu Leu Gly Ile Gly Phe Leu

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<210> 68  
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<212> PRT  
<213> *Homo sapiens*  
<220>  
<223> Residues 283-291 of the TADG-15 protein  
<400> 68  
Ser Pro Met Glu Pro His Ala Leu Val

5

*Bf*  
<210> 69  
<211> 9  
<212> PRT  
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<223> Residues 12-20 of the TADG-15 protein  
<400> 69  
Gly Pro Lys Asp Phe Gly Ala Gly Leu

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<210> 70  
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<213> *Homo sapiens*  
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<223> Residues 257-265 of the TADG-15 protein  
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Ser Leu Thr Phe Arg Ser Phe Asp Leu

5

<210> 71

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 180-188 of the TADG-15 protein

<400> 71

Met Leu Pro Pro Arg Ala Arg Ser Leu

5

<210> 72

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 217-225 of the TADG-15 protein

<400> 72

B' r Gly Leu His Ala Arg Gly Val Glu Leu

5

<210> 73

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 173-181 of the TADG-15 protein

<400> 73

Met Ala Glu Glu Arg Val Val Met Leu

5

<210> 74

<211> 9



<212> PRT  
<213> *Homo sapiens*  
<220>  
<223> Residues 267-275 of the TADG-15 protein  
<400> 74  
Ser Cys Asp Glu Arg Gly Ser Asp Leu

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<210> 75  
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<213> *Homo sapiens*  
<220>  
<223> Residues 567-575 of the TADG-15 protein  
<400> 75  
Cys Thr Lys His Thr Tyr Arg Cys Leu

5

B!  
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<210> 76  
<211> 9  
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<223> Residues 724-732 of the TADG-15 protein  
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Ser Ser Met Val Arg Pro Ile Cys Leu

5

<210> 77  
<211> 9  
<212> PRT  
<213> *Homo sapiens*  
<220>  
<223> Residues 409-417 of the TADG-15 protein  
<400> 77

Tyr Cys Gly Glu Arg Ser Gln Phe Val

5

<210> 78

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 495-503 of the TADG-15 protein

<400> 78

Thr Cys Lys Asn Lys Phe Cys Lys Pro

5

<210> 79

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 427-435 of the TADG-15 protein

<400> 79

Val Arg Phe His Ser Asp Gln Ser Tyr

5

<210> 80

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 695-703 of the TADG-15 protein

<400> 80

Lys Arg Ile Ile Ser His Pro Phe Phe

5

<210> 81

<211> 9

<212> PRT  
<213> *Homo sapiens*  
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<400> 81

Phe Arg Tyr Ser Asp Pro Thr Gln Trp

5

<210> 82  
<211> 9  
<212> PRT  
<213> *Homo sapiens*  
<220>  
<223> Residues 220-228 of the TADG-15 protein  
<400> 82

Ala Arg Gly Val Glu Leu Met Arg Phe

5

<210> 83  
<211> 9  
<212> PRT  
<213> *Homo sapiens*  
<220>  
<223> Residues 492-500 of the TADG-15 protein  
<400> 83

His Gln Phe Thr Cys Lys Asn Lys Phe

5

<210> 84  
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<212> PRT  
<213> *Homo sapiens*  
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<223> Residues 53-61 of the TADG-15 protein  
<400> 84

Gly Arg Trp Val Val Leu Ala Ala Val

5

<210> 85

<211> 9

<212> PRT

<213> *Homo sapiens*

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<223> Residues 248-256 of the TADG-15 protein

<400> 85

Leu Arg Gly Asp Ala Asp Ser Val Leu

5

<210> 86

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 572-580 of the TADG-15 protein

<400> 86

Tyr Arg Cys Leu Asn Gly Leu Cys Leu

5

<210> 87

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 692-700 of the TADG-15 protein

<400> 87

Arg Arg Leu Lys Arg Ile Ile Ser His

5

<210> 88

<211> 9

<212> PRT  
<213> *Homo sapiens*  
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<223> Residues 24-32 of the TADG-15 protein  
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Ser Arg His Glu Lys Val Asn Gly Leu

5

<210> 89  
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<212> PRT  
<213> *Homo sapiens*  
<220>  
<223> Residues 147-155 of the TADG-15 protein  
<400> 89  
Ser Glu Gly Ser Val Ile Ala Tyr Tyr

5

B!  
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Leu Glu Leu Glu Lys Pro Ala Glu Tyr

5

<210> 91  
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<212> PRT  
<213> *Homo sapiens*  
<220>  
<223> Residues 105-113 of the TADG-15 protein  
<400> 91

Tyr Glu Asn Ser Asn Ser Thr Glu Phe

5

<210> 92

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 14-22 of the TADG-15 protein

<400> 92

Lys Asp Phe Gly Ala Gly Leu Lys Tyr

5

<210> 93

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 129-137 of the TADG-15 protein

<400> 93

Ser Gly Val Pro Phe Leu Gly Pro Tyr

5

<210> 94

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<223> Residues 436-444 of the TADG-15 protein

<400> 94

Thr Asp Thr Gly Phe Leu Ala Glu Tyr

5

<210> 95

<211> 9

<212> PRT  
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<223> Residues 766-774 of the TADG-15 protein  
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Gly Glu Ile Arg Val Ile Asn Gln Thr

5

<210> 96  
<211> 9  
<212> PRT  
<213> *Homo sapiens*  
<220>  
<223> Residues 402-410 of the TADG-15 protein  
<400> 96  
Val Glu Ile Asn Gly Glu Lys Tyr Cys

5

B' at  
<210> 97  
<211> 9  
<212> PRT  
<213> *Homo sapiens*  
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<223> Residues 482-490 of the TADG-15 protein  
<400> 97  
Asp Glu Leu Asn Cys Ser Cys Asp Ala

5

<210> 98  
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<212> PRT  
<213> *Homo sapiens*  
<220>  
<223> Residues 82-90 of the TADG-15 protein  
<400> 98

B<sup>i</sup>  
cat

Arg Asp Val Arg Val Gln Lys Val Phe

5